

Comparisons of Job Characteristics

Focus Occupation: [Cardiovascular Technologists and Technicians \(29-2031\)](#)

Associated Occupation: [Respiratory Therapists \(29-1126\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Respiratory Therapists (29-1126)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Customer and Personal Service	11.3	21.9	18.0	<< Extensive education and/or training may be required
Medicine and Dentistry	3.7	17.9	17.4	0 Current knowledge level may be sufficient
Psychology	6.4	12.9	10.5	< Expanded education and/or training may be required
Biology	3.7	12.2	9.9	< Expanded education and/or training may be required
Physics	4.3	10.6	5.5	<< Extensive education and/or training may be required
Chemistry	4.8	10.5	7.6	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Respiratory Therapists (29-1126)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Monitoring	9.9	13.3	11.6	< A higher skill level may be required
Social Perceptiveness	9.1	11.8	10.0	< A higher skill level may be required
Service Orientation	7.9	11.5	10.5	0 Current skill level may be sufficient
Science	4.5	10.7	10.6	0 Current skill level may be sufficient
Equipment Selection	3.3	6.1	4.4	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 97			
Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Respiratory Therapists (29-1126)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Comprehension	12.5	14.6	13.7	0	Current ability level may be sufficient
Oral Expression	12.4	14.4	13.6	0	Current ability level may be sufficient
Problem Sensitivity	11.1	14.3	14.8	0	Current ability level may be sufficient
Written Comprehension	11.0	12.5	11.1	<	Some improvement in abilities may be required
Inductive Reasoning	10.2	11.8	10.7	<	Some improvement in abilities may be required
Information Ordering	9.9	11.6	11.0	0	Current ability level may be sufficient
Near Vision	11.1	11.6	11.4	0	Current ability level may be sufficient
Deductive Reasoning	10.6	11.5	10.7	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	7.6	6.7	<	Some improvement in abilities may be required
Wrist-Finger Speed	3.2	5.6	4.5	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 80
Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Respiratory Therapists (29-1126)		
Work Activities	Exclusivity of Activity	
Administer medications or treatments	46	
Analyze medical data	57	
Collect clinical data	56	
Communicate technical information	4	
Follow patient care procedures	60	
Make decisions	24	
Make presentations on health or medical issues	50	
Observe patient condition	48	
Take vital signs	56	
Understand technical operating, service or repair manuals	6	
Use interpersonal communication techniques	10	
Use knowledge of medical terminology	40	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 65

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Respiratory Therapists (29-1126)

Tools and Technologies	Exclusivity
Acute care monitoring units and related products	22
Blood pressure units and related products	11
Computers	1
Data management and query software	1
Electrocardiography EKG units and related products	20
Industry specific software	1
Network applications software	1
Open heart perfusion equipment and monitors and accessories and related products	43
Oxygen therapy delivery systems and devices	13
Pulmonary function testing and treatment products	24
Pulse oximeters	18
Rehabilitation exercise devices and equipment	24
Scopes and specula and accessories for medical exam diagnostic use	23
Specimen collection and transport containers and supplies	14
Stethoscopes and related products	14
Syringes and accessories	14

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.